INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/14567

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ F04B27/08	
According to International Patent Classification (IPC) or to both national classification and IPC	
B. FIELDS SEARCHED	
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ F04B27/08	
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922–1996 Jitsuyo Shinan Toroku Koho 1996–2004 Kokai Jitsuyo Shinan Koho 1971–2004 Toroku Jitsuyo Shinan Koho 1994–2004	
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)	
C. DOCUMENTS CONSIDERED TO BE RELEVANT	
Category* Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
JP 9-287562 A (Kabushiki Kaisha Zexel Vareo Kuraimeto Control), & US 5800147 A	1-8
Further documents are listed in the continuation of Box C. See patent family annex.	
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combinated with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family Date of the actual completion of the international search 17 February, 2004 (17.02.04) Date of mailing of the international search report 02 March, 2004 (02.03.04) Authorized officer	
Japanese Patent Office Facsimile No.	